

Reference Numeral List

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|----|---------------------------------|
| 1 | injection nozzle |
| 2 | nozzle body |
| 3 | injection opening |
| 4 | combustion chamber |
| 5 | nozzle needle |
| 6 | needle guide |
| 7 | needle tip |
| 8 | sealing seat |
| 9 | supply line |
| 10 | nozzle chamber |
| 11 | annular chamber |
| 12 | pressure shoulder |
| 13 | guide surface |
| 14 | sealing surface |
| 15 | nozzle needle opening direction |
| 16 | first compensator surface |
| 17 | nozzle needle closing direction |
| 18 | control piston |
| 19 | actuator |
| 20 | control piston guide |
| 21 | first control surface |
| 22 | first hydraulic path |

- 23 first control chamber
- 24 first compensator chamber
- 25 connecting line
- 26 return spring
- 27 second control surface
- 28 second control chamber
- 29 second hydraulic path
- 30 control piston bypass
- 31 opening stroke
- 32 compensator piston
- 33 compensator piston guide
- 34 second compensator surface
- 35 second compensator chamber
- 36 inlet line
- 37 inlet valve
- 38 spring
- 39 drive piston
- 40 push rod
- 41 spring mechanism
- 42 through opening
- 43 conversion chamber
- 44 lateral bore
- 45 annular groove
- 46 connecting line

- 47 compensator piston bypass
- 48 piston rod
- 49 first leakage chamber
- 50 leakage line
- 51 second leakage chamber
- 52 extension
- 53 axial groove
- 54 first leakage chamber
- 55 second leakage chamber
- 56 leakage line
- 57 pins